**Midterm Programming Test- Version C**

/\*\*/int redPin=11; //set red LED pin to 11int greenPin=10; //set green LED pin to 10int delay\_value = 1000;int button\_pin = 2;int button\_state = HIGH ||LOW;void setup() {Serial.begin(9600); //Turn on Serial portSerial.println("Enter HIGH to make red led blink faster or LOW to make green LED blink slower");pinMode(redPin, OUTPUT); //Set redPin to be an outputpinMode(greenPin, OUTPUT); //Set greenPin to be an output}void loop() { digitalWrite(greenPin, HIGH); delay(1000); digitalWrite(greenPin, LOW); delay(1000); digitalWrite(redPin, HIGH); delay(1000); digitalWrite(redPin, LOW); delay(1000); if (button\_state == "HIGH"); { digitalWrite(redPin, HIGH); delay(100); digitalWrite(redPin, LOW); if (button\_state == "LOW"); digitalWrite(greenPin, HIGH); delay(4000); digitalWrite(greenPin, LOW); } }